

Winona State University

OpenRiver

---

Cal Fremling Papers

Cal Fremling Archive

---

1989

## LCMR correspondence, 1989-1990

Cal R. Fremling  
*Winona State University*

Follow this and additional works at: <https://openriver.winona.edu/calfremlingpapers>

---

### Recommended Citation

Fremling, Cal R., "LCMR correspondence, 1989-1990" (1989). *Cal Fremling Papers*. 47.  
<https://openriver.winona.edu/calfremlingpapers/47>

This Book is brought to you for free and open access by the Cal Fremling Archive at OpenRiver. It has been accepted for inclusion in Cal Fremling Papers by an authorized administrator of OpenRiver. For more information, please contact [klarson@winona.edu](mailto:klarson@winona.edu).

1135 U.S. P.O. & C.H.

St. Paul, MN 55101

612/725-5935

220-0273



**US Army Corps  
of Engineers**

St. Paul District

Richard J. Beatty

Fisheries Biologist

Planning Division

Environmental

Resources Branch

Call Paul Richards  
Regulatory Function  
St Paul Dist.

USACE

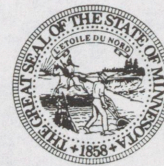
or call  
Dick



# Legislative Commission on Minnesota Resources

100 CONSTITUTION AVENUE / ROOM 65 / STATE OFFICE BUILDING • ST. PAUL, MINNESOTA 55155 • (612) 296-2406

JOHN R. VELIN  
Director



Date: April 6, 1990

To: All who submitted proposals to LCMR

From: John R. Velin Director

Subject: Next steps

Thank you all for your cooperation to date. We received over 700 proposals, more than a threefold increase over last time. With one or two exceptions, they were on time. In some cases the format was not complete or quite right. The total requested is also a threefold increase, about \$265 million, or more than 10 times the amount available to the LCMR. Needless to say, a great deal of work remains.

This memo is intended to inform you of the process we will follow from here on out. It is our hope that this information will be complete enough to avoid a large number of routine question telephone calls. Your proposals speak for themselves. Thus please do not call or visit just to influence or inform the staff about your proposals.

## SCHEDULE

0 - In mid and late April, our Citizen Advisory Committee (CAC) will review proposals to develop very generalized advice on which ones best meet the parameters of the current Strategic Plan for the Trust Fund. Those sessions are not designed to hear testimony from anyone. The CAC will have all they can handle to study the proposals intensely among themselves and develop their advice for the LCMR.

0 - On May 8, the LCMR will meet and decide which proposals to call in for additional consideration. Again, the May 8 meeting is not designed to receive testimony. Rather, the LCMR members will winnow the 700 down to a manageable number for later hearings, based upon the written proposals received. They will also consider the CAC advice and a report from staff which shows how the proposals score compared to the LCMR criteria listed in the RFP. That report is designed for LCMR member consideration. It will not be available until on or very near May 8. Please do not call and ask for the report, nor how your proposal scored. Copies can be picked up at the LCMR office after the May 8 meeting.

0 - If your proposal is not selected for further consideration by the LCMR, or is not selected for final funding recommendations, you obviously want to know why. The answer





to that question is very straightforward and can be provided now, to save us all a lot of time: The members must prioritize, first among the 700 and later to select final proposals for recommended appropriations. In my fifteen years of exposure to the LCMR process, I have found the members to be statesmanlike, showing neither political favoritism nor political negativism. In every process there must be winners and losers. The LCMR is charged to exercise their best judgement in selecting the proposals they feel will best serve the state.

0 - On May 15 and 16, LCMR will begin the hearings process. Selected remaining proposals will be heard for ten minutes. Presenters are requested to make a very succinct verbal summary (suggested time 1-2 minutes), then stand for questions. Please be considerate of the LCMR and especially your fellow presenters, by not exceeding the allotted time. These hearings will continue according to the enclosed schedule until late June.

#### ORDER OF APPEARANCE

On May 8 we will know which proposals the LCMR wishes to hear. Only then can we inform you of the projected hearing schedule for the selected proposals. Only then can we inform you as to which of the 700 are no longer under consideration. Thus, all proposers should be prepared to attend the hearings by keeping your calendars open. There is not room for everyone to attend all the hearings, just those being heard during the scheduled time. Again, please do not call us about your appearance date. You will be notified by telephone or by mail just as fast as possible after May 8 as to when your proposal is scheduled for hearing. Any communication about the appearance schedule will be speculative until May 8. If you know now that you will be unavailable for certain dates, please send us a note as soon as possible, which clearly indicates your name, address, telephone number and proposal title and the same information for an alternate person we should seek during your absence. We will do our best to accommodate schedule conflicts.

As you can see from the attachment, once the hearings are over, the members begin allocations. This period is not intended for testimony. Rather, the LCMR must begin decision making and wrap up by late July. We cannot predict when the allocations process will deal with specific proposals. We will provide you by telephone or letter with our best estimate.

Thanks in advance for your patience and adherence to our procedures.

Attachment



1990 LCMR PROPOSAL REVIEW AND ALLOCATION MEETINGS

February 16	Proposal submission deadline
February 16 - 23	LCMR staff organize proposals for Coordinating Committees
February 26 - March 9	Coordinating Committees activities
March 11 - April 6	LCMR staff to sort proposals into funds and refine proposals
April 9 - 27	Trust Fund proposal to CAC for review
April 9 - May 7	LCMR staff review proposals by established criteria

Commission Overview of Proposals

Full Commission  
Room 5, State Office Bldg.

Tuesday, May 8

1:00 - 5:00 p.m.  
& 6:00 - 9:00 p.m. if necessary  
Reduce packet to 200 proposals

Proposal Presentation

Concurrent Subcommittee Meetings  
Room 200N & 200S State Office Bldg.

Tuesday, May 15  
Wednesday, May 16

1:00 - 5:00 p.m. & 6:00 - 9:00 p.m.  
9:00 - 12:30 p.m.

Tuesday, June 5  
Wednesday, June 6

1:00 - 5:00 p.m. & 6:00 - 9:00 p.m.  
9:00 - 12:30 p.m.

Tuesday, June 12  
Wednesday, June 13

1:00 - 5:00 p.m. & 6:00 - 9:00 p.m.  
9:00 - 12:30 p.m.

Allocation

Full Commission  
Room 5, State Office Bldg.

Tuesday, June 26  
Wednesday, June 27

1:00 - 5:00 p.m. & 6:00 - 9:00 p.m.  
9:00 - 12:30 p.m.

Tuesday, July 10  
Wednesday, July 11

1:00 - 5:00 p.m. & 6:00 - 9:00 p.m.  
9:00 - 12:30 p.m.

Final Adoption

Full Commission  
Room 5, State Office Bldg.

Tuesday, July 24

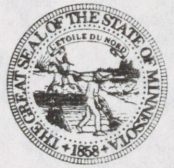
1:00 - 5:00 p.m.



# Legislative Commission on Minnesota Resources

100 CONSTITUTION AVENUE / ROOM 65 / STATE OFFICE BUILDING • ST. PAUL, MINNESOTA 55155 • (612) 296-2406

JOHN R. VELIN  
Director



TO: 1991 LCMR Proposers July 13, 1990  
FROM: John Velin, LCMR Director *John R. Velin*  
SUBJECT: Final Recommendations and Subsequent Action  
Necessary

1. Enclosed is a list of the LCMR final allocations amounts. If your project is not on the list, you may stop here. Thank you for your submittal and we look forward to working with you in the future.
2. If your project is on the list, congratulations. As you all should realize, the LCMR recommendations must now be approved by the 1991 legislature before the money will be available, and then only as of July 1, 1991, and subject to LCMR work program approval.
3. For approved projects, there are three business items of urgent importance.
  - a. Our staff will call and or meet with many of you prior to July 24 when the LCMR convenes to review the rider language necessary for each project. Please make yourselves available and cooperate with us to expedite this process.
  - b. Please prepare yourself to submit detailed work programs to this office by sometime in early August. We will contact you with the proper format quite soon. For research proposals, we will call for additional detail in anticipation of our peer review needs. Again, we will contact you about format and timing.
  - c. FINALLY, PLEASE CALL JACKIE OLENICK IN THE LCMR OFFICE BY JULY 18th. Report the number of staff on your project at the approved amount. You should express this in terms of FTE (Full Time Equivalence) please give Jackie your project number and the FTE for each individual project.



## LEGISLATIVE COMMISSION ON MINNESOTA RESOURCES 1991 FINAL RECOMMENDATIONS

as of July 11, 1990

	ALLOCATED
LCMR Administration	800,000
Contingent	850,000
	1,650,000

RECREATION

1 L&WCF Administration	DNR	84,000
4 Off-Highway Vehicle Recreation Area	4-Wheel Dr Assn	75,000
9 25 by 96	No Res Alliance	400,000
13 ,39,88 Access to Lakes and Rivers	DNR	1,000,000
14 Ridgeline Hiking Trail	DNR	545,000
16 Rails-to-Trails Acquisition & Dev	DNR	1,000,000
20 Historic Records Database-Final Phase	MHS	180,000
26 Land/Water Res Mgmt Lower St. Croix Riverway	MN-Wis Bdry Cmsn	360,000
35 Reclamation of Rec Sys & Env Resources	UofM	200,000
45 Fur Trade Research & Planning	MHS	250,000
50 Mississippi Rv Valley Blufflands Initiative	DNR	150,000
52 Preservation of Historic Shipwrecks Lk Superior	MHS	100,000
58 Mystery Cave Resource Evaluation	DNR	150,000
62 Pokegama Lake Outlet Channel	Pokegama Assn	15,000
		4,509,000

WATER

6 Stream & Watershed Info System	SPA	200,000
8 Co Geologic Atlas/Groundwater Sensitivity Mapping	MGS/DNR	1,400,000
9 MN River Basin Water Quality Monitoring	PCA	700,000
15 Waterwatch-Citizen Monitoring/Protection Prog	PCA	422,000
17 Ecological Evaluation of Year Round Aeration	DNR	100,000
18 Clean Water Partnership/Grants Local Units Govn	PCA	700,000
19 Lk Superior Initiative/Institute for Research	UofM	400,000
a20 Assess Groundwater Remedial Actions	PCA	96,000
25 Lk Mille Lacs Public Land Use Plan	DNR	20,000
29 Mitigating Mercury in NE MN Lakes	PCA	150,000
37 Dev & Application of Aeration Tech	UofM/SAFL	148,000
56 Aquifer Analyses in SE MN	Winona St Univ	73,000
79 S Cen MN Surface Water Res Atlases/Data Base	Mankato St Univ	300,000
107 Cannon Rv Watershed Protection Program	BWSR	60,000
		4,769,000

EDUCATION

1 Environmental Exhibits Collaborative	MN Sc Mus	400,000
3 Continuing Ed in Outdoor Rec For Nat Res Mgrs	UofM	125,000
4 Integrated Resource Mgmt Ed/Training Program	DNR	300,000
6 Upper Mississippi Rv Env Ed Center	City of Winona	600,000
8 Teacher Training for Environmental Ed	Audubon Soc	4,500
17 Video Ed Res and Demo Project	Twin Cit Pub TV	100,000
a19 Comprehensive Environmental Education Program	Dept of Ed	790,000
31 Urban Rangers Program	Mpls Park Rec Bd	100,000
34 Crosby Farm Park Nature Program	City of St. Paul	85,000
39 Residential Urban Env Resource Audit	Pub Serv	150,000
41 Youth in Natural Resources	DNR	250,000
87 Environmental Education for Handicapped	Vinland Ctr.	130,000
		3,034,500

AGRICULTURE

2 Biological Control of Pests - Continued Dev.	Ag	650,000
5 Effective Nitrogen/Water Mgt for Sensitive Areas	Ag	300,000
6 Review Levels of Pesticides at Spill Sites	Ag	300,000
10 RIM Reserve Easements	BWSR	1,000,000
12 Native Grass & Wildflower Seed	Ag/DNR	130,000
20 Biodegradable Plastics Microbial/Crop Plant Sys	UofM	150,000
38 & 39 Community Gardening Program	UofM	110,000
		2,640,000



## FORESTRY

3 MN Old-Growth Forests:Character/Identification	DNR	150,000
5 Nutrient Cycling & Tree Species Suitability	UofM	220,000
12 State Forest Land Acquisition	DNR	500,000
14 Means for Producing Lignin-Based Plastics	UofM	100,000
15 Regeneration/Mgmt of MN's Oak Forests	UofM	150,000
17 PFM/Oak Regeneration	DNR	200,000
19 Aspen Hybrids/New Tissue Culture Techniques	UofM	70,000
21 Aspen Decay Models for Mature Aspen Stands	Koochiching Cty	85,000

-----  
1,475,000

## FISHERIES

12 Cooperative Urban Aquatic Research Ed Program	DNR	340,000
17 Pilot Fish Pond Complex/Fisheries Dev & Ed	Leech Lk Resv	250,000
24 Aquaculture Facility Purchase and Development	UofM	1,200,000
25 Catch and Release	DNR/MSFC	35,000
26 Metro Lakes Fishing Opprotunities	DNR/MSFC	75,000
27 Lake Minnetonka Bass Tracking	DNR/MSFC	85,000
28 Stocking Survey	DNR/MSFC	35,000

-----  
2,020,000

## WILDLIFE

1 Insecticide Impact on Wetland/Upland Wildlife	DNR	350,000
2 Biological Control Eurasian Watermilfoil	DNR	100,000
4 Microbial/Genetic Strategies For Mosquito Ctrl	UofM	150,000
7 MN County Biological Survey	DNR	1,000,000
9 Wetland Restoration	USFWS/Izaak W	400,000
11 Swan/Heron Lake Acquisition	DNR	1,000,000
12 Wildlife Oriented Rec Facilities/Sandstone Unit	RiceLk Natl W R	9,000
13 RIM Resource Protection/Improvement/Partnerships	DNR	1,000,000
17 Establish No Raptors Rehabilitation/Ed Fac	Audub/Ctr NoWood	75,000
18 Data Base for Plants of Minnesota	UofM	130,000
20 Chgs in Ecosystem on Biodiversity of Forest Birds	DNR	300,000
23 Mitigating Crop Damage by Black Bears in E Cen MN	Bell Museum	100,000
31 Effect of Avian Flu Virus in Wild Waterfowl	UofM	16,000
42 Partnership for Accelerated Wild Turkey Mgmt	Nat Wild TurkFed	50,000
45 Restore Thomas Sadler Roberts Bird Sanctuary	Mpls Park Bd	50,000
48 Acq/Develop of Scientific and Natural Areas	DNR	300,000
56 Wetlands Forum	DNR	40,000
60 Aquatic Invertebrate Assessment Archive	PCA	130,000

-----  
5,200,000

## LAND

1 Base Maps for 1990's	SPA	1,900,000
2 Accelerated Soil Survey	UofM/Soils	1,000,000
3 Statewide NWI,PWI/Watershed Map Digitization	DNR	750,000
5 State Land Use	Intl Coalition	338,000
6 GIS Control Point Inventory	SPA	175,000
12 Accelerated Soil Survey	Koochiching Co	270,000
15 Pedestrian Pocket-Landuse/Design Strategies Env	UofM	100,000
18 Model Residential Land Use Guidelines	UofM	150,000
35 Local GIS Program	Intl Coalition	143,000

-----  
4,826,000

## MINERALS

1 Subsurface Greenstone Belts in SW MN	MGS	120,000
16 Direct Smelting	UofM MRRC	500,000

-----  
620,000

## WASTE

2 Remediation of Soils by Co-Composting w/Leaves	Mpls Comm Dev	85,000
7 Land Spreading of Yard Wastes	UofM	100,000
9 Waste Crumb Rubber in Roadways	MnDOT	100,000
18 Cellulose Rayons for Biodegradable Packaging	Bemj St Univ	150,000

-----  
435,000

## ENERGY

3 Tree/Shrub Planting for Energy in MN Communities	DNR	300,000
4 Signal Timing & Optimization Program	MNDOT	500,000
15 Ag Energy Savings Program	AURI/GMC	150,000

-----  
950,000

## TOTALS

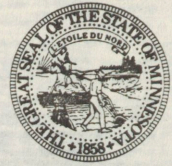
=====  
32,128,500



# Legislative Commission on Minnesota Resources

100 CONSTITUTION AVENUE / ROOM 65 / STATE OFFICE BUILDING • ST. PAUL, MINNESOTA 55155 • (612) 296-2406

JOHN R. VELIN  
Director



Date: May 17, 1990

To: All Who Submitted Proposals to LCMR

From: John R. Velin, Director

A handwritten signature in cursive script, reading "John R. Velin", is written over the printed name in the "From:" line.

Subject: Proposals selected for hearing by LCMR

Thank you all for your cooperation to date. This memo is intended to inform you of the process we will follow from here on out. It is our hope that this information will be complete enough to avoid a large number of routine question telephone calls. Your proposals speak for themselves. Thus please do not call or visit just to influence or inform the staff about your proposals.

## SCHEDULE

0 - The LCMR has now reviewed all the proposals received and has selected some for further consideration. PLEASE SEE THE ATTACHED LIST. It is the order of appearance for the selected proposals. You will also be called to advise you of the time frame most likely for your hearing.

0 - IF YOUR PROPOSAL IS NOT ON THE ATTACHED LIST, it is no longer under consideration by the LCMR. As indicated in my earlier memo, we must concentrate on the remaining proposals. We cannot engage in a dialogue with you about why your proposal was not selected.

## PRESENTATIONS

0 - When called up during the hearing, please present a ONE TO TWO MINUTE summation. Members and staff may spend time getting answers to their questions. Many people ask about use of other media (slides, overheads, etc.) - we do not encourage this, as it consumes your time rather quickly and diverts attention from the stated proposal. Please do not read your proposal nor any prepared remarks to the members. If you have prepared remarks, submit them to the staff at the time of your hearing, then verbally summarize your remarks within the two minutes.





Page 2  
May 17, 1990  
All Who Submitted Proposals to LCMR

0 - If your proposal is not selected for further consideration by the LCMR, or is not selected for final funding recommendations, you obviously want to know why. The answer to that question is very straightforward and can be provided now, to save us all a lot of time: The members must prioritize to select final proposals for recommended appropriations. In every process there must be winners and losers. The LCMR is charged to exercise their best judgement in selecting the proposals they feel will best serve the state.

0 - If you know now that you will be unavailable for the scheduled dates, please send us a note as soon as possible, which clearly indicates your name, address, telephone number and proposal title and the same information for an alternate person we should seek during your absence. We will do our best to accommodate schedule conflicts.

As you can see from the attachment, once the hearings are over, the members begin allocations. This period is not intended for testimony. Rather, the LCMR must begin decision making and wrap up by late July. We cannot predict when the allocations process will deal with specific proposals.

Thanks in advance for your patience and adherence to our procedures.

Attachments



LEGISLATIVE COMMISSION ON MINNESOTA RESOURCES  
1991 PROPOSAL PRESENTATION/ALLOCATION SCHEDULE  
ROOM 5 STATE OFFICE BUILDING

PROPOSAL PRESENTATION

Tuesday, June 5	9:00 a.m. - 12:00 noon & 1:00 p.m. - 5:00 p.m. 6:30 p.m. - 9:00 p.m.
Wednesday, June 6	9:00 a.m. - 12:00 noon & 1:00 p.m. - 5:00 p.m.

--Water, Education, Agriculture and Forestry proposals--

Tuesday, June 12	9:00 a.m. - 12:00 noon & 1:00 p.m. - 5:00 p.m. 6:30 p.m. - 9:00 p.m.
Wednesday, June 13	9:00 a.m. - 12:00 noon & 1:00 p.m. - 5:00 p.m.

--Fisheries, Wildlife, Land, Minerals and Air proposals--

Tuesday, June 26	9:00 a.m. - 12:00 noon & 1:00 p.m. - 5:00 p.m. 6:30 p.m. - 9:00 p.m.
------------------	---

--Waste, Energy and balance of proposals--

ALLOCATION

Wednesday, June 27	9:00 a.m. - 12:00 noon & 1:00 p.m. - 5:00 p.m. 6:30 p.m. - 9:00 p.m.
--------------------	---

Tuesday, July 10	9:00 a.m. - 12:00 noon & 1:00 p.m. - 5:00 p.m. 6:30 p.m. - 9:00 p.m.
------------------	---

Wednesday, July 11	9:00 a.m. - 12:00 noon & 1:00 p.m. - 5:00 p.m. 6:30 p.m. - 9:00 p.m.
--------------------	---

FINAL ADOPTION

Tuesday, July 24	1:00 p.m. - 5:00 p.m.
------------------	-----------------------



# LEGISLATIVE COMMISSION ON MINNESOTA RESOURCES PROPOSAL HEARING SCHEDULE

## RECREATION

o	*1 LSWCF Administration	DNR	84,000
o	2 Interpretive Facility/Display Management System	DNR	1,300,000
o	3 Offshore Structures for Rec Harbors	DNR	495,000
o	4 Off-Highway Vehicle Recreation Area	4-Wheel Dr Assn	75,000
o	5 Improving Recreation Management	UofM/DNR	109,000
o	6 Tourist Corridors Quality Assessment	UofM	213,500
o	7 Visual Mgt for Recreation and Tourism	DNR	150,000
o	8 Highway Recreation Site Access	MNDOT/DNR	550,000
o	9 25 by 96	No Res Alliance	2,790,000
o	10 Historic Site Development	MHS	370,000
o	11 Model Handicapped Accessible Park	DTED	300,000
o	12 Red Lake Boat Landing Improvements	Red Lk F&W	1,000,000
o	13 Access to Lakes and Rivers	DNR	1,950,000
o	*14 Ridgeline Hiking Trail	DNR	545,000
o	15 Lighted Ski Trail Demo Project	DNR	200,000
o	*16 Rails-to-Trails Acquisition & Dev	DNR	1,700,000
o	17 Open Space Protection Grants	DTED	1,000,000
o	18 Cultural Resource Inventory System	MHS	135,000
o	19 Archaeological Resource Inventory	MHS	825,000
o	*20 Historic Records Database-Final Phase	MHS	180,000
o	21 State Park Natural/Cultural Inventory	DNR	850,000
o	22 On Site Visitation/Use Survey	Met Council	450,000
o	23 Rec Facilities Needs Assessment Survey	Ramsey Co/DETED	50,000
o	24 Rec Facility Inventory System Analysis	DNR	75,000
o	25 Marketing Plan for State Historic Sites Network	MHS	150,000
oTF2	26 Land/Water Res Mgmt Lower St. Croix Riverway	MN-Wis Bdry Cmsn	601,615
o	27 Violator Diversion Program	DNR	150,000
o	28 Traveling Exhibitions Program	MHS	125,000
o	29 Historic Ft Snelling Winter Programs	MHS	120,000
o	34 Red River Recreation Opportunities	DNR	200,000
o	35 Reclamation of Rec Sys & Env Resources	UofM	375,000
o	39 Harbor of Refuge/Safe Water Access Lk Superior	Lk Sup Trolling	213,000
o	45 Fur Trade Research & Planning	MHS	326,000
o	46 St. Anthony Falls Heritage Trail	MHS	150,000
oTF2	50 Mississippi Rv Valley Blufflands Initiative	DNR	190,000
o	52 Preservation of Historic Shipwrecks Lk Superior	MHS	150,000
o	55 Old Fort Snelling Upper Bluff Facilities Reuse	Military Affairs	45,000
o	58 Mystery Cave Resource Evaluation	DNR	200,000
o	62 Pokegama Lake Outlet Channel	Pokegama Assn	30,000
o	87 GPIR Recreation and Beautification Initiative	GPIR	159,705
o	88 Recreational Boating on the Upper Mississippi River	City of St Paul	130,000

## WATER

	47 Winona St Univ Water Res Ctr/SE MN	Winona St Univ	200,000
	56 Aquifer Analyses in SE MN	Winona St Univ	77,000
	63 Cen MN Water Quality Project	P. Ruble	385,560
	72 Restore Lk Winona Dominated by Purple Loosestrife	Winona St U	349,096
	18 Clean Water Partnership/Grants Local Units Govn	PCA	2,000,000
	79 S Cen MN Surface Water Res Atlases/Data Base	Mankato St Univ	340,000
	8 Co Geologic Atlas/Groundwater Sensitivity Mapping	MGS/DNR	11,800,000
	*9 MN River Basin Water Quality Monitoring	PCA	990,000
	107 Cannon Rv Watershed Protection Program	BWSR	270,000
	106 Water Quality Assessment	Norman SWCD	94,300
	99 Carlos Avery Ponding	Anoka SWCD	250,000
TF1	6 Stream & Watershed Info System	SPA	250,000
	15 Waterwatch-Citizen Monitoring/Protection Prog	PCA	774,500
	3 Lk Mille Lacs Water Quality Assessment	PCA	1,520,000
	25 Lk Mille Lacs Public Land Use Plan	DNR	30,000
	14 Groundwater Quality Monitoring Program	PCA	834,000
	31 Cost-Effective Groundwater Remediation Tech	UofM/SAFL	230,000
	13 Strategy for Groundwater Resources/Twin Cities Basin	UofM	387,000
	*19 Lk Superior Initiative/Institute for Research	UofM	2,000,000
	7 St. Louis Rv Remedial Action Plan Implementation	PCA	450,000
a17	PCBs in NE Trout & Twin Cities Lakes/St Louis Est.	PCA	900,000
	29 Mitigating Mercury in NE MN Lakes	PCA	700,000
	58 Study Mercury Contam Fish/St. Louis River	Fond du Lac Res	45,000
TF1	36 Demand-Side Mgmt of MN Water Resources	Energy Urban Env	190,000
	37 Dev & Application of Aeration Tech	UofM/SAFL	445,000
	1 Subsurface Paleovalley Aquif Invest/SW MN	UofM/MGS	100,000



## EDUCATION

	1 Environmental Exhibits Collaborative	MN Sc Mus	607,000
	13 Environmental Ed Resource Materials	Bell Museum	274,500
	18 Changing Landscapes/Atlas of MN Nat/Cultural Res	MN Sc Mus	309,000
TF1	59 Wetlands Ed for MN Audiences	UofM	286,000
TF2	17 Video Ed Res and Demo Project	Twin Cit Pub TV	165,000
TF1	19 Comprehensive Environmental Education Program	SPA	1,616,000
	10 MN Resident Env Learning Cts/Hands-on Programs	Wolf Ridge Ctr	823,200
	11 K-12 Nat Res Curriculum: A Statewide Model	Hartley Nat Ctr	142,200
TF2	9 Preservice/Inservice Env Ed Elem/Secon Teachers	Bemj St Univ	97,000
	8 Teacher Training for Environmental Ed	Audubon Soc	4,420
	20 Community Nat Resource Research & Ed Program	NW MN Init Fund	300,000
	2 DNR Regional Outreach to Local Government	DNR	250,000
	3 Continuing Ed in Outdoor Rec For Nat Res Mgrs	UofM	125,000
	4 Integrated Resource Mgmt Ed/Training Program	DNR	1,750,000
	7 Develop 4-H Nat Res Curriculum	UofM/4-H	159,000
	31 Urban Rangers Program	Mpls Park Rec Bd	137,600
	41 Youth in Natural Resources	DNR	283,816
	84 St Paul Service Corps	City of St Paul	905,024
	68 The Ecology Bus Env Ed Project	Ecology Bus Inc	934,000
	51 Environmental Stewardship Ed Program	Heron Lk Env	495,000
	34 Crosby Farm Park Nature Program	City of St. Paul	84,979
	6 Upper Mississippi Rv Env Ed Center	City of Winona	840,000
	42 Env Ed at 1000 yr old Farming/Trading SE MN	Inst MN Arch	209,000
	46 Environmental Ed for 17 MN Counties	Opportun/Scienc	140,935
	39 Residential Urban Environmental Resource Audit	Neigh Ener Consr	239,300

## AGRICULTURE

o	2 Biological Control of Pests - Continued Dev.	Ag	390,000
o	4 Monitoring Genetically Engineered Organisms	Ag	350,000
o	12 Native Grass & Wildflower Seed	Ag/DNR	165,000
	10 RIM Reserve Easements	BWSR	12,100,000
TF2	25 On-Farm/Exp Sta Composting of Animal Manures	Ag	200,000
	5 Effective Nitrogen/Water Mgt for Sensitive Areas	Ag	2,137,000
	6 Review Levels of Pesticides at Spill Sites	Ag	425,000
TF1	13 Publications for Sustainable Ag	Ag	145,000
	20 Biodegradable Plastics Microbial/Crop Plant Sys	UofM	239,848
	38 MN Green Community Gardening Program	MN Horticul Soc	92,500
	39 Community Gardening Program	Self Rel Ctr	120,000

## FORESTRY

	3 MN Old-Growth Forests: Character/Identification	DNR	190,700
	4 Locate Oak Wilt Infection Ctrs SW of Twin Cities	UofM	30,000
	15 Regeneration/Mgmt of MN's Oak Forests	UofM	242,000
	17 PFM/Oak Regeneration	DNR	320,000
	5 Nutrient Cycling & Tree Species Suitability	UofM	295,000
	19 Aspen Hybrids/New Tissue Culture Techniques	UofM	70,000
	21 Aspen Decay Models for Mature Aspen Stands	Koochiching Cty	85,000
	6 County Forest Data Using Computerized Info Sys	Beltrami County	64,400
	8 Priv Forest Landowner Database/Timber Marketing	Cloquet For Ctr	83,900
	24 TM-HELP Satellite Image Data/Assist Forest Mgrs	Bemj St Univ	75,000
	12 State Forest Land Acquisition	DNR	5,060,000
*14	Means for Producing Lignin-Based Plastics	UofM	125,220

## FISHERIES

	4 Lk Superior Lake Trout Spawning Habitat	NRRI	248,907
	6 Rainy Lk Sportfishing Catch/Release Program	Rainy Lk Club	7,000
	16 Bait Leech Propagation Ponds	MN Bait Export	160,000
	17 Pilot Fish Pond Complex/Fisheries Dev & Ed	Leech Lk Resv	416,000
	22 MN Crayfish Industry Development	D. Perpich	685,000
	8 Growth Studies Genetically Engineered Gamefish	UofM	909,800
*10	Improvement of Pond Aquaculture in MN	UofM	260,717
	24 Aquaculture Facility Purchase and Development	UofM	1,395,000
	12 Cooperative Urban Aquatic Research Ed Program	DNR	350,000
TF1	1 Fish/Wildlife Contaminant Monitoring	PCA/DNR	545,000
TF2	3 Toxic Substances in Lake Superior's Food Chain	UofM	419,661



## WILDLIFE

TF1	2	Biological Control Eurasian Watermilfoil	UofM	100,000
	3	Hematophagous Insect Attractants Development	Met Mosquito Ctrl	330,000
	4	Microbial/Genetic Strategies For Mosquito Ctrl	UofM	150,000
	63	Waterfowl Nest Box Maintenance Program	P. Zakovec	4,800
	9	Wetland Restoration	USFWS/Izaak W	800,000
	11	Heron Lake Area Restoration Project	DNR	2,515,000
	12	Wildlife Oriented Rec Facilities/Sandstone Unit	RiceLk Natl W R	9,000
	*47	Swan Lake Area Wildlife Project	DNR	2,000,000
TF1	*7	MN County Biological Survey	DNR	2,227,000
	18	Data Base for Plants of Minnesota	UofM	150,000
	20	Chgs in Ecosystem on Biodiversity of Forest Birds	DNR	750,000
	21	Effect Forest Clear Cut Size/Configur on W/Life	DNR	300,000
	59	Accelerated Forest Wildlife Coord/Mgmt	DNR	1,500,000
	48	Acq/Develop of Scientific and Natural Areas	DNR	600,000
	13	RIM Resource Protection/Improvement/Partnerships	DNR	12,000,000
	10	Preserve/Mgmt/Expansion Rt-of-Way Native Prairie	MnDOT	400,000
	16	Watchable Wildlife Proj	DNR	250,000
	17	Establish No. Raptors Rehabilitation/Ed Fac	Audub/Ctr NoWood	93,000
	45	Restore Thomas Sadler Roberts Bird Sanctuary	Mpls Park Bd	100,000
	31	Effect of Avian Flu Virus in Wild Waterfowl	UofM	34,550
	42	Partnership for Accelerated Wild Turkey Mgmt	Nat Wild TurkFed	50,000
	23	Mitigating Crop Damage by Black Bears in E Cen MN	Bell Museum	115,000
	57	Lyme Disease Information	DNR	25,000
	60	Aquatic Invertebrate Assessment Archive	PCA	100,000

## LAND

TF1	1	Base Maps for 1990's	SPA	2,945,847
	*2	Accelerated Soil Survey	UofM/Soils	1,000,000
	12	Accelerated Soil Survey	Koochiching Co	915,000
	3	Statewide NWI,PWI/Watershed Map Digitization	DNR	1,157,000
TF1	8	Inventory Lands Needing Special Consv Protection	BWSR	500,000
	9	Submerged Lands Management	DNR	250,000
	*5	State Land Use	Intl Coalition	278,000
	11	GIS Data Delivery to Local Government	SPA	95,000
	6	GIS Control Point Inventory	SPA	175,000
	14	Implement Biophysical Landscape Ecological Sys	Clearwater Co.	125,000
	4	Automation of Hard Copy Land Records	DNR	200,000
	10	Comp Env/Nat Res Monitoring Network	SPA	420,000
	32	Accelerated Intergrated Resource Mgt/Anal/Imp	DNR	765,000
	7	Windbreak Maintenance & Renovation Prog.	BWSR	160,000
	15	Pedestrian Pocket-Landuse/Design Strategies Env	UofM	197,320
	18	Model Residential Land Use Guidelines	UofM	164,020

## MINERALS

	1	Subsurface Greenstone Belts in SW MN	MGS	150,000
	4	Sand & Gravel Land Suitability Study	DNR	155,500
	5	Geophysical Aspects of Platinum Deposits	MGS	110,000
	6	Industrial Applications for MN's Silica Res	NRRI	350,000
	8	Industrial Minerals in MN/Economic Contribution	Aggregate Mix	140,000
	11	Prevent/Control Acid Mine Drainage	DNR	465,000
	14	Sphagnum Moss Culture & Regeneration	NRRI	180,000

## AIR

TF2	1	Use bdRDF Pellets w/waste Lime Reduce Acid Rain	VA Pub UtilCmsn	960,000
	2	Trans/Deposit/Env Fate Toxic Subs MN Lks & Land	PCA	1,370,000
	3	Acid Rain Reduction Using Taconite Concentrates	NRRI	275,000
	7	Effect of Weatherization on Radon Levels	UofM	160,000
	11	Background Souces of Dioxins in the Environment	PCA	397,000
	13	Toxic Metals From Incinerators	PCA	353,000



## WASTE

5 Waste Audit and Exchange	St Louis Co	77,020
18 Cellulose Rayons for Biodegradable Packaging	Bemj St Univ	197,900
33 Agricultural Use of Yard Waste	OLEO Inc	250,000
7 Land Spreading of Yard Wastes	UofM	211,000
2 Remediation of Soils by Co-Composting w/Leaves	Mpls Comm Dev	87,000
1 Scrapyard Contamination Study	PCA	319,000
6 Paint Reduction and Processing Project	PCA	201,000
9 Waste Crumb Rubber in Roadways	MnDOT	200,000
22 Roadway Related Prods Made From Recycled Plastic	Hennepin Cty	30,000

## ENERGY

1 Transportation Systems and the Environment	UofM	900,000
3 Tree/Shrub Planting for Energy in MN Communities	DNR	564,300
4 Signal Timing & Optimization Program	MNDOT	1,795,500
6 Photovoltaic Electrical Generating System	St.Paul Pub Sch	249,000
14 Energy-Efficient Housing in Cold Climates	UofM	98,545
40 Community Energy & Environment Grants	Dept Public Serv	800,000
43 Improve Lighting Effic & Quality in Parking Ramps	Ener/Urban Dev	122,000
47 Reduce Energy Use/Small Air Condition Tune-ups	Energy Res Ctr	133,255

(o) indicates proposal has been presented  
(TF1, TF2) indicates CAC recommendation  
(\*) indicates current LCMR funding



# Winona State University

---

Winona, Minnesota 55987

Telephone (507) 457-5000



12 February 1990

John R. Velin, Director  
Legislative Commission on Minnesota Resources  
Room 65 State Office Building  
100 Constitution Avenue  
St. Paul, Minnesota 55155

Dear Mr. Velin,

Enclosed please find five copies of the proposal, "A Cooperative Project Between Winona State University and the City of Winona to Restore Lake Winona Wetlands Dominated by the Noxious Exotic Weed, Purple Loosestrife (Lythrum salicaria)", which I would like to submit for consideration for 1991 LCMR funding. Please contact either of the two listed Program Managers on any matter concerning this proposal.

Thank you.

Sincerely,

A handwritten signature in cursive script, appearing to read "Neal D. Mundahl".

Neal D. Mundahl, Assistant Professor  
Department of Biology  
Winona State University  
Winona, Minnesota 55987



# Winona State University

---

Winona, Minnesota 55987

Telephone (507) 457-5000



12 February 1990

John R. Velin, Director  
Legislative Commission on Minnesota Resources  
Room 65 State Office Building  
100 Constitution Avenue  
St. Paul, Minnesota 55155

Dear Mr. Velin,

Enclosed please find five copies of the proposal, "A Cooperative Project Between Winona State University and the City of Winona to Restore Lake Winona Wetlands Dominated by the Noxious Exotic Weed, Purple Loosestrife (*Lythrum salicaria*)", which I would like to submit for consideration for 1991 LCMR funding. Please contact either of the two listed Program Managers on any matter concerning this proposal.

Thank you.

Sincerely,

Neal D. Mundahl, Assistant Professor  
Department of Biology  
Winona State University  
Winona, Minnesota 55987



# Winona State University



Winona, Minnesota 55987

Telephone (507) 457-5000

March 16, 1990

612-565-2369

William Allen  
Senior Regional Director  
Ducks Unlimited  
Rt. 2 Box 148  
Wabasha, MN 55981

Dear Mr. Allen:

As per our telephone conversation of 16 March, I have enclosed a copy of the marsh restoration funding proposal that we submitted last month to the Legislative Commission on Minnesota Resources. Subsequent to submitting our proposal, I have wondered if the project would qualify for partial funding and/or technical assistance from Ducks Unlimited. I know that our chances of receiving LCMR funding would be increased if we had partial funding from DU.

I feel strongly that our project would result in increased waterfowl production, especially for woodducks and mallards. We currently maintain about 80 woodduck nesting structures in the area and they produce many young. Our main limiting factor may be brood habitat.

The restored marshes would be very visible to the public and would serve valuable interpretive and educational functions. They could also serve as examples of DU habitat work and as models for loosestrife management.

The project would provide an outlet for the energies of our strong local DU chapter. I have discussed DU volunteerism with Wayne Valentine, long time Winona area DU chairman. He assured me that we could count on area DU members for assistance.

In any case, we would welcome the advice of Frank Kartsch, DU biological engineer, as well as that of you and other DU personnel. I would be pleased to arrange on-site inspections with your people, our scientists and Robert Bollant, City of Winona Director of Public Works.

Thank you for your consideration.

Yours sincerely,

*Calvin R. Fremling*

Calvin R. Fremling  
Professor

jh

enclosure

cc: Susan Thornton, LCMR  
Wayne Valentine



# Winona State University

---



Winona, Minnesota 55987

Telephone (507) 457-5000

February 15, 1990

Rep. Gene Pelowski  
531 State Office Building  
St. Paul, MN 55155

Dear Gene,

Thanks for your quick response concerning our LCMR proposal. I've enclosed a copy of the proposal, hoping for your endorsement. The project could be the first step in the reclamation of Lake Winona and the construction of the much-needed industrial park near Fleet Farm.

Yours sincerely,

Calvin R. Fremling  
Professor

jh  
enclosure



# Winona State University

---



Winona, Minnesota 55987

Telephone (507) 457-5000

February 15, 1990

Senator Steven Morse  
309 State Capitol  
St. Paul, MN 55155

Dear Steve,

I've enclosed an LCMR grant proposal that concerns Winona and the surrounding area. Your endorsement of the proposed project would be sincerely appreciated. The project could be the first step in the reclamation of Lake Winona and the construction of the much-needed industrial park near Fleet Farm.

Yours sincerely,

Calvin R. Fremling  
Professor

jh  
enclosure



# Winona State University

---



Winona, Minnesota 55987

Telephone (507) 457-5000

January 12, 1990

John O. Jackson  
Wisconsin Department of Transportation  
OEA Rm 951-1HF  
4802 Sheboygan Avenue  
P.O. Box 7915  
Madison, WI 53707-7915

Dear Mr. Jackson:

Thanks for the mitigation reports. I have scanned them already and know that they will be a big help in our project at Winona. Thanks also for the other contacts.

Yours sincerely,

Calvin R. Fremling  
Professor

jh



# Winona State University



Winona, Minnesota 55987

Telephone (507) 457-5000

June 19, 1989

Larry Smith  
U.S. Fish and Wildlife Service  
Suite 50, Park Square Court  
400 Sibley Street  
St. Paul, MN 55101

Dear Larry,

At last Friday's dredging permit meeting we neglected to mention that we (City of Winona, Lake Winona Committee, DNR Fisheries) also manage Boller Lake as part of the Lake Winona project. Boller Lake receives Gilmore Creek before the creek enters Lake Winona, thus acting as a sediment trap and flood reservoir.

Boller Lake is actually a marsh with an approximate total area of about 345 acres. We have regulated water levels, controlled rough fish and maintained many wood duck and Canada goose nesting structures. When our project began in 1973, Boller Lake (like Lake Winona) had no vegetation and very little wildlife. Today Boller Lake is a highly productive marsh.

I'd welcome the opportunity to tour the area with you to see if it could be used in any way to mitigate impacts of spoil disposal in River Bend.

Under separate cover I am sending a copy of our Lake Winona Compendium. Pages 14-1 through 14-16 deal specifically with Boller Lake marsh.

Yours sincerely,

Calvin R. Fremling  
Professor

jh

cc: Larry Gates, MN DNR  
Robert Bollant, Director of Public Works,  
City of Winona